

is constructed of reinforced fabric that allows the barge to ride waves without damage if filled to half capacity

Patent Assignee: DALTON HOLDINGS LTD (DAL-T-N)

Inventor: CRAN J A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Week

CA 1321734 C 19930831 CA 556524 A 19880114 199341 B

Priority Applications (No Type Date): US 90630895 A 19901220

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

CA 1321734 C 23 B63B-035/28

Abstract (Basic): CA 1321734 C

A flexible marine barge (10) comprises a hollow flexible bag having curved sides (12, 14) converging to a point at the fore end and straight sides (16, 18) converging to a point at the rear end.

Constructed from reinforced fabric with additional reinforcing at the seam and having four tow straps (28, 30) to distribute the towing force throughout its length. Merge straps (32) and edge straps (34) provide additional strength and protection against collision forces. The profile ratios should be of the order length to depth 2:1 to 50:1, width to depth 2:1 to 20:1 and length to width 1:1 to 20:1. It is intended that it should be filled to rather less than half its full capacity with fluids of less density than seawater in order to maintain its stability in a sea-going environment.

USE/ADVANTAGE - For transporting by towing large quantities of fluids such as fresh water. A relatively cheap barge having good towing characteristics.

Dwg. 1/4

Title Terms: FLEXIBLE; BARGE; TRANSPORT; LIQUID; LOWER; DENSITY; SEA;

CONSTRUCTION; REINFORCED; FABRIC; ALLOW; BARGE; RIDE; WAVE; DAMAGE;

FILLED; HALF; CAPACITY

Derwent Class: A95; Q24

International Patent Class (Main): B63B-035/28

File Segment: CPI; EngPI

Manual Codes (CPI/A-N): A12-T; A12-T02

Plasdoc Codes (KS): 0009 0231 1283 1288 2609 2628 2629 2634 2635 2708 2723 2727 2728 2770 2821 2848 3258 3299

Polymer Fragment Codes (PF):

001 017 04- 141 143 50& 541 549 551 56& 560 566 567 572 573 61- 647 651 664 667 672

002 017 032 04- 440 444 47& 477 50& 541 549 551 56& 560 566 567 572 61- 647 651 672

003 017 04- 288 50& 541 549 551 56& 560 566 567 572 573 61- 647 651 672

Polymer Indexing (PS):

<01>